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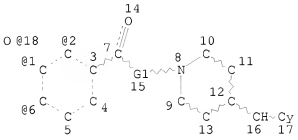

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NUMBER OF NODES IS 18

STEREO ATTRIBUTES: NONE

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95.4% PROCESSED 1818213 ITERATIONS 425 ANSWERS

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COST IN U.S. DOLLARS

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USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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FILE COVERS 1907 - 22 Jun 2009  VOL 150 ISS 26
FILE LAST UPDATED: 21 Jun 2009  (20090621/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED:  Apr 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE:  Apr 2009

CAplus now includes complete International Patent Classification (IPC)
reclassification data for the third quarter of 2008.

CAS Information Use Policies apply and are available at:

http://www.cas.org/legal/infopolicy.html

This file contains CAS Registry Numbers for easy and accurate
substance identification.

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L8          81 L7

=> s l8 and py<=2003
      24035640 PY<=2003
L9          71 L8 AND PY<=2003

=> s l9 and (pain or analge? or nmda)
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         79554 ANALGE?
         31550 NMDA
L10          8 L9 AND (PAIN OR ANALGE? OR NMDA)

=> d hitstr 8

L10  ANSWER 8 OF 8  CAPLUS  COPYRIGHT 2009 ACS on STN
IT   37733-60-1P
     RL: SPN (Synthetic preparation); PREP (Preparation)
        (preparation of)
RN   37733-60-1  CAPLUS
CN   Ethanone, 1-[4-(phenylmethoxy)phenyl]-2-[4-(phenylmethyl)-1-piperidinyl]-,
     hydrochloride (1:1)  (CA INDEX NAME)
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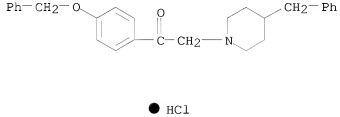


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=> d bib hitstr 1-8

L10  ANSWER 1 OF 8  CAPLUS  COPYRIGHT 2009 ACS on STN
AN   2001:661416  CAPLUS
DN   135:226879
TI   Preparation of cyclic amide derivatives as sigma receptor ligands
IN   Yamabe, Haruko; Okuyama, Masahiro; Nakao, Akira; Ooizumi, Mitsuru; Saito,
     Ken-ichi
PA   Mitsubishi-Tokyo Pharmaceuticals, Inc., Japan
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SO PCT Int. Appl., 259 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
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	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG					
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IT 359626-11-2P 359626-12-3P 359626-53-2P
359626-54-3P 359626-55-4P 359626-56-5P
359626-57-6P 359626-58-7P 359627-49-9P
359627-50-2P 359627-51-3P 359627-52-4P
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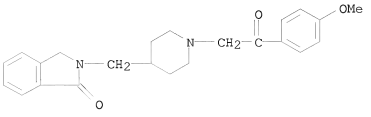
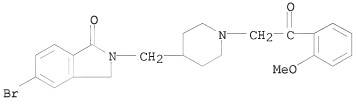
(preparation of cyclic amide derivs. as sigma receptor ligands)
RN 359626-11-2 CAPLUS
CN 1H-Isoindol-1-one, 2,3-dihydro-2-[[1-[2-(4-methoxyphenyl)-2-oxoethyl]-4-piperidinyl]methyl]- (CA INDEX NAME)

RN 359626-12-3 CAPLUS
CN 1H-Isoindol-1-one, 2,3-dihydro-2-[[1-[2-(4-methoxyphenyl)-2-oxoethyl]-4-piperidinyl]methyl]-, hydrochloride (1:1) (CA INDEX NAME)

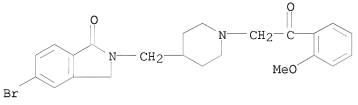


● HCl

RN 359626-53-2 CAPLUS
CN 1H-Isoindol-1-one, 5-bromo-2,3-dihydro-2-[[1-[2-(2-methoxyphenyl)-2-oxoethyl]-4-piperidinyl]methyl]- (CA INDEX NAME)

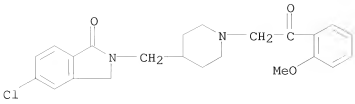


RN 359626-54-3 CAPLUS
CN 1H-Isoindol-1-one, 5-bromo-2,3-dihydro-2-[[1-[2-(2-methoxyphenyl)-2-oxoethyl]-4-piperidinyl]methyl]-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

RN 359626-55-4 CAPLUS
CN 1H-Isoindol-1-one, 5-chloro-2,3-dihydro-2-[[1-[2-(2-methoxyphenyl)-2-oxoethyl]-4-piperidinyl]methyl]- (CA INDEX NAME)



RN 359626-56-5 CAPLUS
CN 1H-Isoindol-1-one, 5-chloro-2,3-dihydro-2-[[1-[2-(2-methoxyphenyl)-2-oxoethyl]-4-piperidinyl]methyl]-, (2E)-2-butenedioate (2:3) (CA INDEX NAME)

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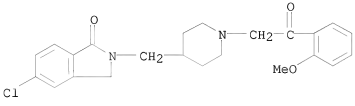
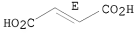
CRN 359626-55-4
CMF C23 H25 Cl N2 O3



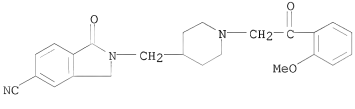
CM 2

CRN 110-17-8
CMF C4 H4 O4

Double bond geometry as shown.



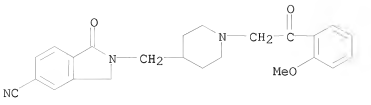
RN 359626-57-6 CAPLUS
CN 1H-Isoindole-5-carbonitrile, 2,3-dihydro-2-[[1-[2-(2-methoxyphenyl)-2-oxoethyl]-4-piperidinyl]methyl]-1-oxo- (CA INDEX NAME)



RN 359626-58-7 CAPLUS
CN 1H-Isoindole-5-carbonitrile, 2,3-dihydro-2-[[1-[2-(2-methoxyphenyl)-2-oxoethyl]-4-piperidinyl]methyl]-1-oxo-, (2E)-2-butenedioate (1:1) (CA INDEX NAME)

CM 1

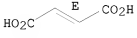
CRN 359626-57-6
CMF C24 H25 N3 O3



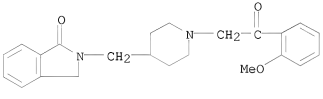
CM 2

CRN 110-17-8
CMF C4 H4 O4

Double bond geometry as shown.



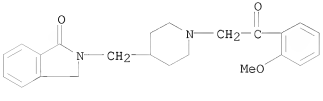
RN 359627-49-9 CAPLUS
CN 1H-Isoindol-1-one, 2,3-dihydro-2-[[1-[2-(2-methoxyphenyl)-2-oxoethyl]-4-piperidinyl]methyl]- (CA INDEX NAME)



RN 359627-50-2 CAPLUS
CN 1H-Isoindol-1-one, 2,3-dihydro-2-[[1-[2-(2-methoxyphenyl)-2-oxoethyl]-4-piperidinyl]methyl]-, (2E)-2-butenedioate (1:1) (CA INDEX NAME)

CM 1

CRN 359627-49-9
CMF C23 H26 N2 O3

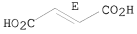


CM 2

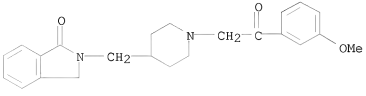
CRN 110-17-8

CMF C4 H4 O4

Double bond geometry as shown.



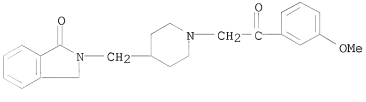
RN 359627-51-3 CAPLUS
CN 1H-Isoindol-1-one, 2,3-dihydro-2-[[1-[2-(3-methoxyphenyl)-2-oxoethyl]-4-piperidinyl]methyl]- (CA INDEX NAME)



RN 359627-52-4 CAPLUS
CN 1H-Isoindol-1-one, 2,3-dihydro-2-[[1-[2-(3-methoxyphenyl)-2-oxoethyl]-4-piperidinyl]methyl]-, (2E)-2-butenedioate (1:1) (CA INDEX NAME)

CM 1

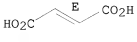
CRN 359627-51-3
CMF C23 H26 N2 O3



CM 2

CRN 110-17-8
CMF C4 H4 O4

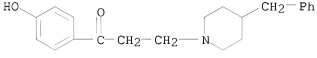
Double bond geometry as shown.



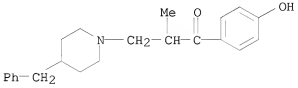
RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 2 OF 8 CAPLUS COPYRIGHT 2009 ACS on STN
AN 2001:612035 CAPLUS
DN 136:162
TI Discovery of (R)-1-[2-hydroxy-3-(4-hydroxy-phenyl)-propyl]-4-(4-methyl-benzyl)-piperidin-4-ol: A novel NR1/2B subtype selective NMDA

receptor antagonist
AU Pinard, E.; Alanine, A.; Bourson, A.; Buttelmann, B.; Gill, R.; Heitz, M.-P.; Jaeschke, G.; Mutel, V.; Trube, G.; Wyler, R.
CS Discovery Chemistry, Pharma Division, F. Hoffmann-La Roche Ltd., Basel, CH-4070, Switz.
SO Bioorganic & Medicinal Chemistry Letters (2001), 11(16), 2173-2176
CODEN: BMCLE8; ISSN: 0960-894X
PB Elsevier Science Ltd.
DT Journal
LA English
OS CASREACT 136:162
IT 375856-60-3P 375856-61-4P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(discovery of (R)-1-[2-hydroxy-3-(4-hydroxy-phenyl)-propyl]-4-(4-methyl-benzyl)-piperidin-4-ol, a novel NR1/2B subtype selective NMDA receptor antagonist)
RN 375856-60-3 CAPLUS
CN 1-Propanone, 1-(4-hydroxyphenyl)-3-[4-(phenylmethyl)-1-piperidinyl]- (CA INDEX NAME)



RN 375856-61-4 CAPLUS
CN 1-Propanone, 1-(4-hydroxyphenyl)-2-methyl-3-[4-(phenylmethyl)-1-piperidinyl]- (CA INDEX NAME)



RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2009 ACS on STN
AN 1999:221773 CAPLUS
DN 130:281992
TI Preparation of 4-hydroxypiperidines as NMDA (N-methyl-D-aspartate)-receptor subtype selective blockers
IN Alanine, Alexander; Buttelmann, Bernd; Neidhart, Marie-paule Heitz; Pinard, Emmanuel; Wyler, Rene
PA Hoffmann-La Roche Inc., USA
SO U.S., 20 pp.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 5889026	A	19990330	US 1997-891781	19970714 <--

	TW 498067	B	20020811	TW 1997-86108797	19970624 <--
	IN 1997MA01505	A	20050304	IN 1997-MA1505	19970707
	EP 824098	A1	19980218	EP 1997-111742	19970710 <--
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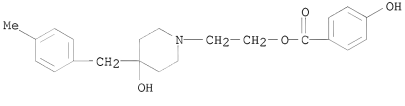
	EP 1997-105366	A	19970401		
	EP 1996-119345	A	19961203		
	EP 1997-111742	A	19970710		

OS MARPAT 130:281992

IT 222421-86-5P 222421-87-6P 222421-89-8P
222421-91-2P 222421-93-4P 222421-96-7P
222421-98-9P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of 4-hydroxypiperidines as NMDA (N-methyl-D-aspartate)-receptor subtype selective blockers)

RN 222421-86-5 CAPLUS

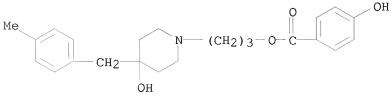
CN Benzoic acid, 4-hydroxy-, 2-[4-hydroxy-4-[(4-methylphenyl)methyl]-1-piperidinyl]ethyl ester, hydrochloride (1:1) (CA INDEX NAME)



● HCl

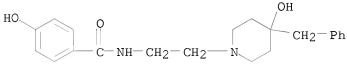
RN 222421-87-6 CAPLUS

CN Benzoic acid, 4-hydroxy-, 3-[4-hydroxy-4-[(4-methylphenyl)methyl]-1-piperidinyl]propyl ester, hydrochloride (1:1) (CA INDEX NAME)

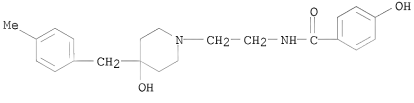


● HCl

RN 222421-89-8 CAPLUS
CN Benzamide, 4-hydroxy-N-[2-[4-hydroxy-4-(phenylmethyl)-1-piperidinyl]ethyl]- (CA INDEX NAME)

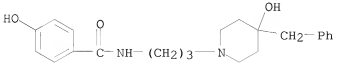


RN 222421-91-2 CAPLUS
CN Benzamide, 4-hydroxy-N-[2-[4-hydroxy-4-[(4-methylphenyl)methyl]-1-piperidinyl]ethyl]-, hydrochloride (1:1) (CA INDEX NAME)



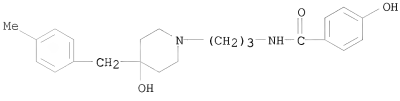
● HCl

RN 222421-93-4 CAPLUS
CN Benzamide, 4-hydroxy-N-[3-[4-hydroxy-4-(phenylmethyl)-1-piperidinyl]propyl]- (CA INDEX NAME)

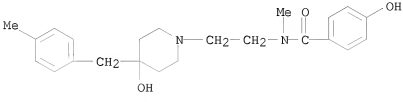


RN 222421-96-7 CAPLUS
CN Benzamide, 4-hydroxy-N-[3-[4-hydroxy-4-[(4-methylphenyl)methyl]-1-

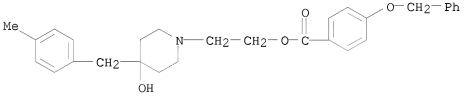
piperidinyl]propyl]- (CA INDEX NAME)



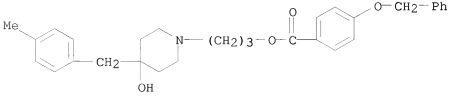
RN 222421-98-9 CAPLUS
CN Benzamide, 4-hydroxy-N-[2-[4-hydroxy-4-[(4-methylphenyl)methyl]-1-piperidinyl]ethyl]-N-methyl- (CA INDEX NAME)



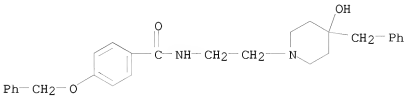
IT 222422-34-6P 222422-35-7P 222422-39-1P
222422-40-4P 222422-42-6P 222422-43-7P
222422-44-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of 4-hydroxypiperidines as NMDA
(N-methyl-D-aspartate)-receptor subtype selective blockers)
RN 222422-34-6 CAPLUS
CN Benzoic acid, 4-(phenylmethoxy)-, 2-[4-hydroxy-4-[(4-methylphenyl)methyl]-1-piperidinyl]ethyl ester (CA INDEX NAME)



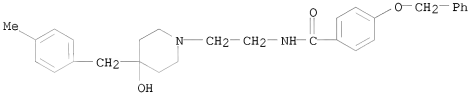
RN 222422-35-7 CAPLUS
CN Benzoic acid, 4-(phenylmethoxy)-, 3-[4-hydroxy-4-[(4-methylphenyl)methyl]-1-piperidinyl]propyl ester (CA INDEX NAME)



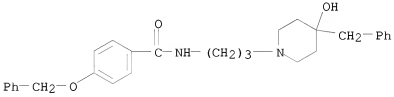
RN 222422-39-1 CAPLUS
CN Benzamide, N-[2-[4-hydroxy-4-(phenylmethyl)-1-piperidinyl]ethyl]-4-(phenylmethoxy)- (CA INDEX NAME)



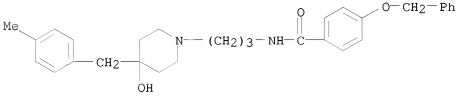
RN 222422-40-4 CAPLUS
CN Benzamide, N-[2-[4-hydroxy-4-[(4-methylphenyl)methyl]-1-piperidinyl]ethyl]-4-(phenylmethoxy)- (CA INDEX NAME)



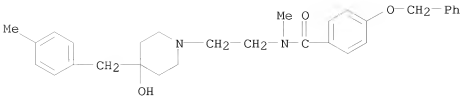
RN 222422-42-6 CAPLUS
CN Benzamide, N-[3-[4-hydroxy-4-(phenylmethyl)-1-piperidinyl]propyl]-4-(phenylmethoxy)- (CA INDEX NAME)



RN 222422-43-7 CAPLUS
CN Benzamide, N-[3-[4-hydroxy-4-[(4-methylphenyl)methyl]-1-piperidinyl]propyl]-4-(phenylmethoxy)- (CA INDEX NAME)



RN 222422-44-8 CAPLUS
CN Benzamide, N-[2-[4-hydroxy-4-[(4-methylphenyl)methyl]-1-piperidinyl]ethyl]-N-methyl-4-(phenylmethoxy)- (CA INDEX NAME)

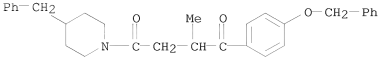


RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 4 OF 8 CAPLUS COPYRIGHT 2009 ACS on STN
AN 1995:867661 CAPLUS
DN 123:285796
OREF 123:51215a,51218a
TI Piperidine-based phenylalkanolamine derivatives for treatment of neurodegenerative disease
IN Mohacsi, Erno; O'Brien, Jay P.
PA F. Hoffmann-La Roche AG, Switz.
SO Can. Pat. Appl., 53 pp.
CODEN: CPXXEB
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CA 2129771	A1	19950303	CA 1994-2129771	19940809 <--
	CA 2129771	C	20060321		
	EP 648744	A1	19950419	EP 1994-112867	19940818 <--
	EP 648744	B1	19980121		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
	AT 162520	T	19980215	AT 1994-112867	19940818 <--
	ES 2113585	T3	19980501	ES 1994-112867	19940818 <--
	ZA 9406529	A	19950302	ZA 1994-6529	19940826 <--
	AU 9471497	A	19950316	AU 1994-71497	19940826 <--
	HU 70558	A2	19951030	HU 1994-2479	19940829 <--
	JP 07082250	A	19950328	JP 1994-205530	19940830 <--
	NO 9403231	A	19950303	NO 1994-3231	19940901 <--
	CN 1105990	A	19950802	CN 1994-115651	19940901 <--
	CN 1061035	C	20010124		
	BR 9403418	A	19960903	BR 1994-3418	19940901 <--
	FI 9404044	A	19950303	FI 1994-4044	19940902 <--
	FI 107607	B1	20010914		
PRAI	US 1993-116385	A	19930902		

OS MARPAT 123:285796
IT 169197-20-0P 169197-21-1P 169197-22-2P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(intermediate; preparation of piperidine-based phenylalkanolamines as NMDA receptor antagonists)
RN 169197-20-0 CAPLUS
CN 1,4-Butanedione, 2-methyl-1-[4-(phenylmethoxy)phenyl]-4-[4-(phenylmethyl)-1-piperidinyl]- (CA INDEX NAME)

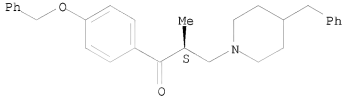


RN 169197-21-1 CAPLUS
CN Benzeneacetic acid, α-hydroxy-, (S)-, compd. with (S)-2-methyl-1-[4-(phenylmethoxy)phenyl]-3-[4-(phenylmethyl)-1-piperidinyl]-1-propanone (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 169197-07-3
CMF C29 H33 N O2

Absolute stereochemistry.



CM 2

CRN 17199-29-0
CMF C8 H8 O3

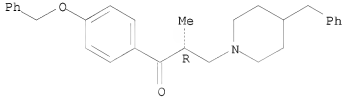
Absolute stereochemistry. Rotation (+).

RN 169197-22-2 CAPLUS
CN Benzeneacetic acid, α-hydroxy-, (R)-, compd. with (R)-2-methyl-1-[4-(phenylmethoxy)phenyl]-3-[4-(phenylmethyl)-1-piperidinyl]-1-propanone (1:1) (9CI) (CA INDEX NAME)

CM 1

CRN 169197-09-5
CMF C29 H33 N O2

Absolute stereochemistry.



CM 2

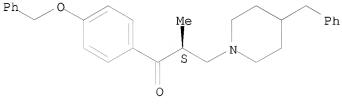
CRN 611-71-2
CMF C8 H8 O3

Absolute stereochemistry. Rotation (-).

IT 169197-07-3P 169197-09-5P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); PUR (Purification or recovery); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of piperidine-based phenylalkanolamines as NMDA receptor antagonists)

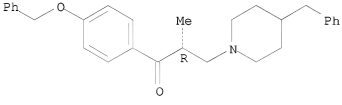
RN 169197-07-3 CAPLUS
CN 1-Propanone, 2-methyl-1-[4-(phenylmethoxy)phenyl]-3-[4-(phenylmethyl)-1-piperidinyl]-, (S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



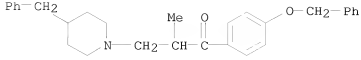
RN 169197-09-5 CAPLUS
CN 1-Propanone, 2-methyl-1-[4-(phenylmethoxy)phenyl]-3-[4-(phenylmethyl)-1-piperidinyl]-, (R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



IT 169197-11-9P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of piperidine-based phenylalkanolamines as NMDA receptor antagonists)

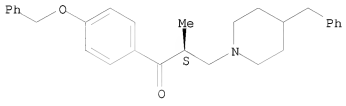
RN 169197-11-9 CAPLUS
CN 1-Propanone, 2-methyl-1-[4-(phenylmethoxy)phenyl]-3-[4-(phenylmethyl)-1-piperidinyl]- (CA INDEX NAME)



IT 169197-08-4P 169197-10-8P 169197-12-0P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of piperidine-based phenylalkanolamines as NMDA receptor antagonists)

RN 169197-08-4 CAPLUS
CN 1-Propanone, 2-methyl-1-[4-(phenylmethoxy)phenyl]-3-[4-(phenylmethyl)-1-piperidinyl]-, hydrochloride, (S)- (9CI) (CA INDEX NAME)

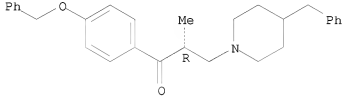
Absolute stereochemistry.



● HCl

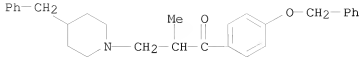
RN 169197-10-8 CAPLUS
CN 1-Propanone, 2-methyl-1-[4-(phenylmethoxy)phenyl]-3-[4-(phenylmethyl)-1-piperidinyl]-, hydrochloride, (R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



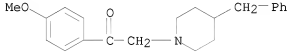
● HCl

RN 169197-12-0 CAPLUS
CN 1-Propanone, 2-methyl-1-[4-(phenylmethoxy)phenyl]-3-[4-(phenylmethyl)-1-piperidinyl]-, hydrochloride (1:1) (CA INDEX NAME)

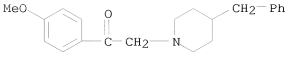


● HCl

L10 ANSWER 5 OF 8 CAPLUS COPYRIGHT 2009 ACS on STN
AN 1995:349038 CAPLUS
DN 123:228113
OREF 123:40743a,40746a
TI Synthesis and analgesic activity of new 1-(p-substituted phenacyl)-4-substituted piperazines and piperidines and their carbinol derivatives
AU El-Shafie, Faiza S.; Al-Deeb, Omar A.; Hammad, Mona E. M.; Mustafa, Ali A.; El-Obeid, Humeida A.
CS Coll. Pharm., King Saud Univ., Riyadh, 11451, Saudi Arabia
SO Scientia Pharmaceutica (1994), 62(4), 389-403
CODEN: SCPHA4; ISSN: 0036-8709
PB Oesterreichische Apotheker-Verlagsgesellschaft
DT Journal
LA English
IT 168137-13-1P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent)
(phenyl(piperazinyl)ethanones or phenyl(piperidinyl)ethanones as analgesics)
RN 168137-13-1 CAPLUS
CN Ethanone, 1-(4-methoxyphenyl)-2-[4-(phenylmethyl)-1-piperidinyl]- (CA INDEX NAME)

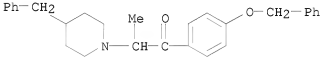


IT 168137-36-8P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(phenyl(piperazinyl)ethanones or phenyl(piperidinyl)ethanones as analgesics)
RN 168137-36-8 CAPLUS
CN Ethanone, 1-(4-methoxyphenyl)-2-[4-(phenylmethyl)-1-piperidinyl]-, hydrochloride (1:1) (CA INDEX NAME)

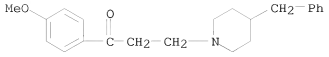


● HCl

L10 ANSWER 6 OF 8 CAPLUS COPYRIGHT 2009 ACS on STN
AN 1991:607816 CAPLUS
DN 115:207816
OREF 115:35457a
TI Separation of α1-adrenergic and N-methyl-D-aspartate antagonist activity in a series of ifenprodil compounds
AU Chenard, B. L.; Shalaby, I. A.; Koe, B. K.; Ronau, R. T.; Butler, T. W.; Prochniak, M. A.; Schmidt, A. W.; Fox, C. B.
CS Cent. Res. Div., Pfizer Inc., Groton, CT, 06340, USA
SO Journal of Medicinal Chemistry (1991), 34(10), 3085-90
CODEN: JMCMAR; ISSN: 0022-2623
DT Journal
LA English
OS CASREACT 115:207816
IT 35133-39-2P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reduction of)
RN 35133-39-2 CAPLUS
CN 1-Propanone, 1-[4-(phenylmethoxy)phenyl]-2-[4-(phenylmethyl)-1-piperidinyl]- (CA INDEX NAME)

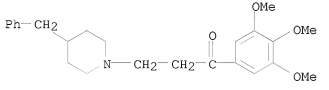


L10 ANSWER 7 OF 8 CAPLUS COPYRIGHT 2009 ACS on STN
AN 1984:79478 CAPLUS
DN 100:79478
OREF 100:11939a,11942a
TI Mannich keto bases with narcotic-antagonist activity
AU Collino, F.; De Nardo, M.
CS Ist. Chim. Farm. Tossicol., Univ. Trieste, Trieste, Italy
SO Bollettino Chimico Farmaceutico (1983), 122(8), 393-404
CODEN: BCFAAI; ISSN: 0006-6648
DT Journal
LA Italian
IT 88837-83-6P 88837-84-7P 88838-18-0P
88838-19-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and narcotic-antagonist and other pharmacol. activities of)
RN 88837-83-6 CAPLUS
CN 1-Propanone, 1-(4-methoxyphenyl)-3-[4-(phenylmethyl)-1-piperidinyl]-, hydrochloride (1:1) (CA INDEX NAME)



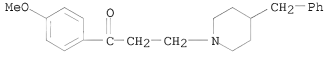
● HCl

RN 88837-84-7 CAPLUS
CN 1-Propanone, 3-[4-(phenylmethyl)-1-piperidinyl]-1-(3,4,5-trimethoxyphenyl)-, hydrochloride (1:1) (CA INDEX NAME)

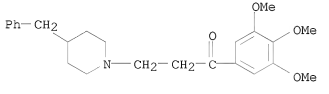


● HCl

RN 88838-18-0 CAPLUS
CN 1-Propanone, 1-(4-methoxyphenyl)-3-[4-(phenylmethyl)-1-piperidinyl]- (CA INDEX NAME)



RN 88838-19-1 CAPLUS
CN 1-Propanone, 3-[4-(phenylmethyl)-1-piperidinyl]-1-(3,4,5-trimethoxyphenyl)-
(CA INDEX NAME)

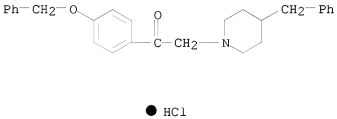


L10 ANSWER 8 OF 8 CAPLUS COPYRIGHT 2009 ACS on STN
AN 1972:564507 CAPLUS
DN 77:164507
OREF 77:27015a,27018a
TI Pharmacologically active 1-[p-(benzyloxy)phenyl]-2-(4-benzylpiperidino)ethanol
IN Carron, Claude L. C.; Jullien, Alexandra Francine; Bucher, Bernard Philippe
PA Synthelabo S. A.

SO Fr. Demande, 11 pp.
CODEN: FRXXBL
DT Patent
LA French
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2105119	A1	19720428	FR 1970-35138	19700929 <--
	FR 2105119	A5	19720428		
	FR 2105119	B1	19740712		
PRAI	FR 1970-35138		19700929		

IT 37733-60-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 37733-60-1 CAPLUS
CN Ethanone, 1-[4-(phenylmethoxy)phenyl]-2-[4-(phenylmethyl)-1-piperidinyl]-, hydrochloride (1:1) (CA INDEX NAME)



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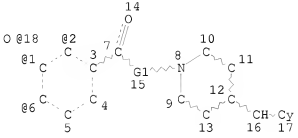


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VPA 18-2/1/6 U
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
GGCAT   IS UNS  AT  17
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC   3   8
NUMBER OF NODES IS  18

STEREO ATTRIBUTES: NONE


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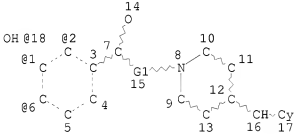


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VPA 18-2/1/6 U
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GGCAT   IS UNS  AT  17
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC   3   8
NUMBER OF NODES IS  18
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STEREO ATTRIBUTES: NONE

=> search l12
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ENTER SCOPE OF SEARCH (SAMPLE), FULL, RANGE, OR SUBSET:subset
ENTER SUBSET L# OR (END):l7
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FULL SUBSET SEARCH INITIATED 15:42:58 FILE 'REGISTRY'
FULL SUBSET SCREEN SEARCH COMPLETED - 425 TO ITERATE

100.0% PROCESSED 425 ITERATIONS 118 ANSWERS
SEARCH TIME: 00.00.01

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FULL ESTIMATED COST 45.44 285.93

FILE 'CAPLUS' ENTERED AT 15:43:02 ON 22 JUN 2009
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 22 Jun 2009 VOL 150 ISS 26
FILE LAST UPDATED: 21 Jun 2009 (20090621/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Apr 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Apr 2009

CAplus now includes complete International Patent Classification (IPC)
reclassification data for the third quarter of 2008.

CAS Information Use Policies apply and are available at:

http://www.cas.org/legal/infopolicy.html

This file contains CAS Registry Numbers for easy and accurate
substance identification.

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L14 28 L13

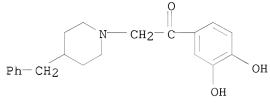
=> s l14 and py<=2003
24035640 PY<=2003
L15 21 L14 AND PY<=2003

=> d bib hitstr 21

L15 ANSWER 21 OF 21 CAPLUS COPYRIGHT 2009 ACS on STN
AN 1973:478372 CAPLUS
DN 79:78372
OREF 79:12705a,12708a
TI Pharmaceutical ω-amino-1-phenyl-1-alkanols
IN Carron, Claude L. C.; Manoury, Philippe M. J.; Dumas, Andre P.
PA Synthelabo S. A.
SO Ger. Offen., 42 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2261506	A1	19730628	DE 1972-2261506	19721215 <--
	FR 2163358	A1	19730727	FR 1971-45106	19711215 <--
	JP 48067234	A	19730913	JP 1972-126011	19721215 <--
PRAI	FR 1971-45106	A	19711215		

IT 49613-00-5
RL: RCT (Reactant); RACT (Reactant or reagent)
(hydrogenation of)
RN 49613-00-5 CAPLUS
CN Ethanone, 1-(3,4-dihydroxyphenyl)-2-[4-(phenylmethyl)-1-piperidinyl]-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

=> d bib hitstr 1-20

L15 ANSWER 1 OF 21 CAPLUS COPYRIGHT 2009 ACS on STN
AN 2002:293443 CAPLUS
DN 136:319370
TI Use of defined substances that bind to the sigma receptor for combating sarcoma and carcinoma
IN Van Amsterdam, Christoph
PA Merck Patent Gmbh, Germany
SO PCT Int. Appl., 36 pp.
CODEN: PIXXD2
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002030422	A1	20020418	WO 2001-EP11710	20011011 <--
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,				

LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

DE 10050236 A1 20020425 DE 2000-10050236 20001011 <--

AU 2002010527 A 20020422 AU 2002-10527 20011011 <--

PRAI DE 2000-10050236 A 20001011

WO 2001-EP11710 W 20011011

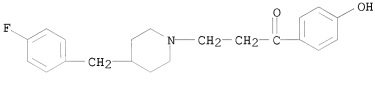
IT 411242-86-9

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)

(substances that bind to sigma receptor for combating sarcoma and carcinoma)

RN 411242-86-9 CAPLUS

CN 1-Propanone, 3-[4-[(4-fluorophenyl)methyl]-1-piperidinyl]-1-(4-hydroxyphenyl)- (CA INDEX NAME)



RE.CNT 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 2 OF 21 CAPLUS COPYRIGHT 2009 ACS on STN

AN 2001:935558 CAPLUS

DN 136:53575

TI Preparation of substituted nitrocatechols as catechol-O-methyltransferase inhibitors

IN Learmonth, David Alexander; Soares da Silva, Patricio Manuel Vieira Araujo

PA Portela & CA SA, Port.

SO PCT Int. Appl., 29 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2001098251	A1	20011227	WO 2001-GB2777	20010621 <--

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW

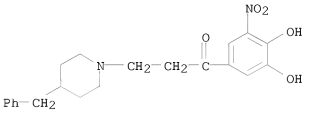
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

GB 2363792	A	20020109	GB 2000-15225	20000621 <--
CA 2351129	A1	20011221	CA 2001-2351129	20010620 <--
US 20030060472	A1	20030327	US 2001-885854	20010620 <--
EP 1167342	A1	20020102	EP 2001-305391	20010621 <--

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO

PRAI GB 2000-15225 A 20000621

OS MARPAT 136:53575
IT 383184-74-5P, 3-(4-Benzylpiperidin-1-yl)-1-(3,4-dihydroxy-5-nitrophenyl)propan-1-one hydrochloride
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(drug; preparation of substituted nitrocatechols as catechol-O-methyltransferase inhibitors)
RN 383184-74-5 CAPLUS
CN 1-Propanone, 1-(3,4-dihydroxy-5-nitrophenyl)-3-[4-(phenylmethyl)-1-piperidinyl]-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 3 OF 21 CAPLUS COPYRIGHT 2009 ACS on STN
AN 2001:935557 CAPLUS
DN 136:69653
TI Preparation of substituted nitrated catechols as catechol O-methyl transferase inhibitors for the treatment of central and peripheral nervous system disorders
IN Learmonth, David Alexander; Soares da Silva, Patricio Manuel Vieira
PA Portela & CA SA, Port.
SO PCT Int. Appl., 33 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2001098250	A1	20011227	WO 2001-GB2774	20010621 <--
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2351125	A1	20011221	CA 2001-2351125	20010620 <--
US 20020037931	A1	20020328	US 2001-885855	20010620 <--
EP 1167341	A1	20020102	EP 2001-305373	20010621 <--
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
GB 2365864	A	20020227	GB 2001-15223	20010621 <--

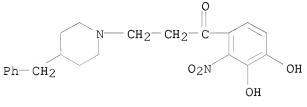
	GB 2365864	B	20021120		
	BR 2001011897	A	20030513	BR 2001-11897	20010621 <--
	HU 2003001578	A2	20031229	HU 2003-1578	20010621 <--
	HU 2003001578	A3	20040329		
	JP 2004501129	T	20040115	JP 2002-504206	20010621
	MX 2002012894	A	20031006	MX 2002-12894	20021219 <--
PRAI	GB 2000-15228	A	20000621		
	WO 2001-GB2774	W	20010621		

OS MARPAT 136:69653

IT 383382-73-8P, 3-(4-Benzylpiperidin-1-yl)-1-(3,4-Dihydroxy-2-nitrophenyl)propan-1-one
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of substituted nitrated catechols as COMT inhibitors for treatment of central and peripheral nervous system disorders)

RN 383382-73-8 CAPLUS

CN 1-Propanone, 1-(3,4-dihydroxy-2-nitrophenyl)-3-[4-(phenylmethyl)-1-piperidinyl]- (CA INDEX NAME)



RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 4 OF 21 CAPLUS COPYRIGHT 2009 ACS on STN

AN 2001:612035 CAPLUS

DN 136:162

TI Discovery of (R)-1-[2-hydroxy-3-(4-hydroxy-phenyl)-propyl]-4-(4-methyl-benzyl)-piperidin-4-ol: A novel NR1/2B subtype selective NMDA receptor antagonist

AU Pinard, E.; Alanine, A.; Bourson, A.; Buttelmann, B.; Gill, R.; Heitz, M.-P.; Jaeschke, G.; Mutel, V.; Trube, G.; Wyler, R.

CS Discovery Chemistry, Pharma Division, F. Hoffmann-La Roche Ltd., Basel, CH-4070, Switz.

SO Bioorganic & Medicinal Chemistry Letters (2001), 11(16), 2173-2176
CODEN: BMCLE8; ISSN: 0960-894X

PB Elsevier Science Ltd.

DT Journal

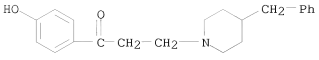
LA English

OS CASREACT 136:162

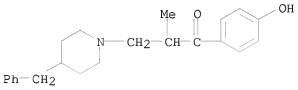
IT 375856-60-3P 375856-61-4P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(discovery of (R)-1-[2-hydroxy-3-(4-hydroxy-phenyl)-propyl]-4-(4-methyl-benzyl)-piperidin-4-ol, a novel NR1/2B subtype selective NMDA receptor antagonist)

RN 375856-60-3 CAPLUS

CN 1-Propanone, 1-(4-hydroxyphenyl)-3-[4-(phenylmethyl)-1-piperidinyl]- (CA INDEX NAME)



RN 375856-61-4 CAPLUS
CN 1-Propanone, 1-(4-hydroxyphenyl)-2-methyl-3-[4-(phenylmethyl)-1-piperidinyl]- (CA INDEX NAME)



RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 5 OF 21 CAPLUS COPYRIGHT 2009 ACS on STN
AN 1999:221773 CAPLUS
DN 130:281992
TI Preparation of 4-hydroxypiperidines as NMDA(N-methyl-D-aspartate)-receptor subtype selective blockers
IN Alanine, Alexander; Buttelmann, Bernd; Neidhart, Marie-paule Heitz; Pinard, Emmanuel; Wyler, Rene
PA Hoffmann-La Roche Inc., USA
SO U.S., 20 pp.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI US 5889026	A	19990330	US 1997-891781	19970714 <--
TW 498067	B	20020811	TW 1997-86108797	19970624 <--
IN 1997MA01505	A	20050304	IN 1997-MA1505	19970707
EP 824098	A1	19980218	EP 1997-111742	19970710 <--
EP 824098	B1	20011031		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
AT 207899	T	20011115	AT 1997-111742	19970710 <--
ES 2164967	T3	20020301	ES 1997-111742	19970710 <--
CA 2210044	A1	19980119	CA 1997-2210044	19970714 <--
CA 2210044	C	20060214		
ZA 9706224	A	19980119	ZA 1997-6224	19970714 <--
HU 9701194	A2	19990528	HU 1997-1194	19970714 <--
HU 9701194	A3	19990628		
IL 121299	A	20011223	IL 1997-121299	19970714 <--
JP 10067742	A	19980310	JP 1997-192173	19970717 <--
JP 3179050	B2	20010625		
CZ 290898	B6	20021113	CZ 1997-2274	19970717 <--
NO 9703337	A	19980120	NO 1997-3337	19970718 <--
NO 308657	B1	20001009		
CN 1171396	A	19980128	CN 1997-114707	19970718 <--
CN 1120154	C	20030903		
AU 9728756	A	19980129	AU 1997-28756	19970718 <--
AU 719352	B2	20000504		

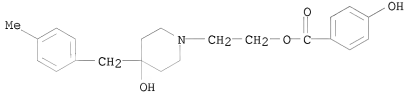
	RU 2178412	C2	20020120	RU 1997-113374	19970718 <--
	BR 9704031	A	19981229	BR 1997-4031	19970721 <--
	KR 235804	B1	19991215	KR 1997-34233	19970722 <--
	HU 9702315	A2	19990628	HU 1997-2315	19971201 <--
	HU 9702315	A3	20000928		
	HK 1009124	A1	20020906	HK 1998-109919	19980813 <--
PRAI	EP 1996-111660	A	19960719		
	EP 1997-105366	A	19970401		
	EP 1996-119345	A	19961203		
	EP 1997-111742	A	19970710		

OS MARPAT 130:281992

IT 222421-86-5P 222421-87-6P 222421-89-8P
222421-91-2P 222421-93-4P 222421-96-7P
222421-98-9P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of 4-hydroxypiperidines as NMDA(N-methyl-D-aspartate)-receptor subtype selective blockers)

RN 222421-86-5 CAPLUS

CN Benzoic acid, 4-hydroxy-, 2-[4-hydroxy-4-[(4-methylphenyl)methyl]-1-piperidinyl]ethyl ester, hydrochloride (1:1) (CA INDEX NAME)



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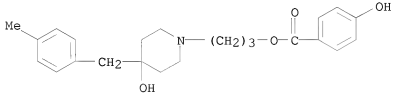
RN 222421-87-6 CAPLUS

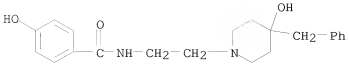
CN Benzoic acid, 4-hydroxy-, 3-[4-hydroxy-4-[(4-methylphenyl)methyl]-1-piperidinyl]propyl ester, hydrochloride (1:1) (CA INDEX NAME)



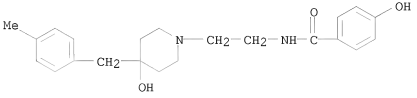
● HCl

RN 222421-89-8 CAPLUS

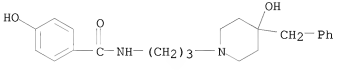
CN Benzamide, 4-hydroxy-N-[2-[4-hydroxy-4-(phenylmethyl)-1-piperidinyl]ethyl]- (CA INDEX NAME)



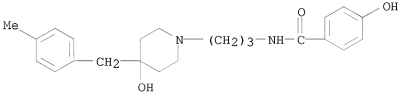
RN 222421-91-2 CAPLUS
CN Benzamide, 4-hydroxy-N-[2-[4-hydroxy-4-[(4-methylphenyl)methyl]-1-piperidinyl]ethyl]-, hydrochloride (1:1) (CA INDEX NAME)



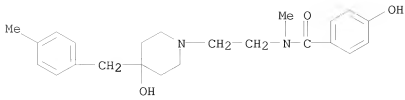
RN 222421-93-4 CAPLUS
CN Benzamide, 4-hydroxy-N-[3-[4-hydroxy-4-(phenylmethyl)-1-piperidinyl]propyl]- (CA INDEX NAME)



RN 222421-96-7 CAPLUS
CN Benzamide, 4-hydroxy-N-[3-[4-hydroxy-4-[(4-methylphenyl)methyl]-1-piperidinyl]propyl]- (CA INDEX NAME)



RN 222421-98-9 CAPLUS
CN Benzamide, 4-hydroxy-N-[2-[4-hydroxy-4-[(4-methylphenyl)methyl]-1-piperidinyl]ethyl]-N-methyl- (CA INDEX NAME)

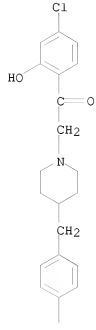


RE.CNT 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 6 OF 21 CAPLUS COPYRIGHT 2009 ACS on STN
AN 1994:533978 CAPLUS
DN 121:133978
OREF 121:24221a,24224a
TI Preparation of fluorophenylmethylpiperidinylethanols as nervous system agents
IN Allen, John; Schofield, Joseph; Vassal, Thierry; Frost, Jonathan; Bertin, Jean
PA Synthelabo S. A., Fr.
SO Fr. Demande, 18 pp.
CODEN: FRXXBL
DT Patent
LA French
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2696741	A1	19940415	FR 1992-12165	19921012 <--
FR 2696741	B1	19941125		

PRAI FR 1992-12165 19921012
IT 157068-01-4P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reaction of, in preparation of anticonvulsant)
RN 157068-01-4 CAPLUS
CN Ethanone, 1-(4-chloro-2-hydroxyphenyl)-2-[4-[(4-fluorophenyl)methyl]-1-piperidinyl]- (CA INDEX NAME)



RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 7 OF 21 CAPLUS COPYRIGHT 2009 ACS on STN
AN 1991:679818 CAPLUS
DN 115:279818
OREF 115:47547a,47550a
TI Preparation of piperidine derivatives as neurokinin and substance P antagonists
IN Emonds-Alt, Xavier; Goulaouic, Pierre; Proietto, Vincenzo; Van Broeck, Didier
PA SANOFI, Fr.
SO Eur. Pat. Appl., 84 pp.
CODEN: EPXXDW
DT Patent
LA French
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 428434	A2	19910522	EP 1990-403125	19901106 <--
	EP 428434	A3	19911009		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
	FR 2654100	A1	19910510	FR 1989-14517	19891106 <--
	FR 2654100	B1	19920221		
	FR 2663329	A1	19911220	FR 1990-7534	19900615 <--
	FR 2663329	B1	19921016		
	FI 97540	B	19960930	FI 1990-5444	19901102 <--

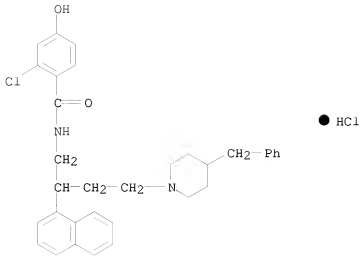
	FI 97540	C	19970110		
	CA 2029275	A1	19910507	CA 1990-2029275	19901105 <--
	NO 9004802	A	19910507	NO 1990-4802	19901105 <--
	NO 177299	B	19950515		
	NO 177299	C	19950823		
	AU 9065838	A	19910523	AU 1990-65838	19901105 <--
	AU 649973	B2	19940609		
	HU 56543	A2	19910930	HU 1990-7027	19901105 <--
	US 5317020	A	19940531	US 1990-610093	19901105 <--
	IL 111292	A	19960331	IL 1990-111292	19901105 <--
	RU 2084453	C1	19970720	RU 1990-4831627	19901105 <--
	RU 2114828	C1	19980710	RU 1993-45020	19901105 <--
	ZA 9008881	A	19910828	ZA 1990-8881	19901106 <--
	JP 03206086	A	19910909	JP 1990-300929	19901106 <--
	PL 165758	B1	19950228	PL 1990-293823	19901106 <--
	PL 165854	B1	19950228	PL 1990-293824	19901106 <--
	PL 166565	B1	19950630	PL 1990-287644	19901106 <--
	PL 166582	B1	19950630	PL 1990-303827	19901106 <--
	IL 96241	A	19960331	IL 1990-96241	19901115 <--
	LV 10713	B	19951020	LV 1993-142	19930225 <--
	US 5686609	A	19971111	US 1994-208672	19940311 <--
	AU 9459245	A	19940602	AU 1994-59245	19940331 <--
	AU 668018	B2	19960418		
	NO 9500239	A	19910507	NO 1995-239	19950123 <--
	NO 180193	B	19961125		
	NO 180193	C	19970305		
	NO 9500240	A	19910507	NO 1995-240	19950123 <--
	NO 179580	B	19960729		
	NO 179580	C	19961106		
	US 5618938	A	19970408	US 1995-479634	19950607 <--
	FI 9502956	A	19950615	FI 1995-2956	19950615 <--
	FI 9502957	A	19950615	FI 1995-2957	19950615 <--
	FI 9800227	A	19980202	FI 1998-227	19980202 <--
PRAI	FR 1989-14517	A	19891106		
	FR 1990-7534	A	19900615		
	FI 1990-5444	A	19901102		
	NO 1990-4802	A	19901105		
	US 1990-610093	A3	19901105		
	IL 1990-96241	A3	19901115		
	US 1994-208672	A3	19940311		
	FI 1995-2956	A	19950615		

OS MARPAT 115:279818

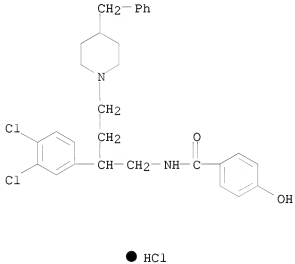
IT 135934-96-2P 135934-98-4P 135934-99-5P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of, as neurokinin antagonist)

RN 135934-96-2 CAPLUS

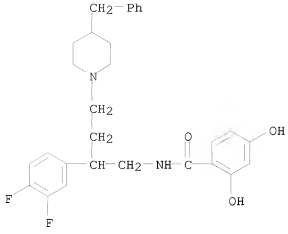
CN Benzamide, 2-chloro-4-hydroxy-N-[2-(1-naphthalenyl)-4-[4-(phenylmethyl)-1-piperidinyl]butyl]-, hydrochloride (1:1) (CA INDEX NAME)



RN 135934-98-4 CAPLUS
CN Benzamide, N-[2-(3,4-dichlorophenyl)-4-[4-(phenylmethyl)-1-piperidinyl]butyl]-4-hydroxy-, hydrochloride (1:1) (CA INDEX NAME)



RN 135934-99-5 CAPLUS
CN Benzamide, N-[2-(3,4-difluorophenyl)-4-[4-(phenylmethyl)-1-piperidinyl]butyl]-2,4-dihydroxy-, hydrochloride (1:1) (CA INDEX NAME)

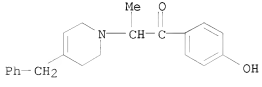


● HCl

L15 ANSWER 8 OF 21 CAPLUS COPYRIGHT 2009 ACS on STN
AN 1986:442659 CAPLUS
DN 105:42659
OREF 105:7065a,7068a
TI Tetrahydropyridinylpropanones and -propanols
IN Nakamoto, Yasumasa; Ishizuka, Yoriyasu; Ohira, Yutaka; Fujii, Masahiro; Oohira, Yutaka
PA Nihon Iyakuhin Kogyo Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 10 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

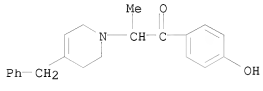
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 61036262	A	19860220	JP 1984-153998	19840726 <--
PRAI JP 1984-153998		19840726		

OS CASREACT 105:42659
IT 103290-87-5
RL: RCT (Reactant); RACT (Reactant or reagent)
(hydrogenation of)
RN 103290-87-5 CAPLUS
CN 1-Propanone, 2-[3,6-dihydro-4-(phenylmethyl)-1(2H)-pyridinyl]-1-(4-hydroxyphenyl)-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

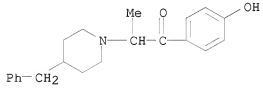
IT 103290-83-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, as intermediate for Ifenprodil)
RN 103290-83-1 CAPLUS
CN 1-Propanone, 2-[3,6-dihydro-4-(phenylmethyl)-1(2H)-pyridinyl]-1-(4-hydroxyphenyl)- (CA INDEX NAME)



L15 ANSWER 9 OF 21 CAPLUS COPYRIGHT 2009 ACS on STN
AN 1985:487774 CAPLUS
DN 103:87774
OREF 103:14101a,14104a
TI Piperidinopropanols
PA Teikoku Chemical Industry Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 2 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 60054363	A	19850328	JP 1983-162468	19830902 <--
PRAI JP 1983-162468		19830902		

OS CASREACT 103:87774
IT 74991-32-5P
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(reduction of, in preparation of piperidionpropanols)
RN 74991-32-5 CAPLUS
CN 1-Propanone, 1-(4-hydroxyphenyl)-2-[4-(phenylmethyl)-1-piperidinyl]- (CA INDEX NAME)

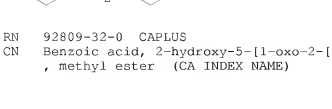


L15 ANSWER 10 OF 21 CAPLUS COPYRIGHT 2009 ACS on STN
AN 1984:610992 CAPLUS
DN 101:210992
OREF 101:31967a,31970a
TI Derivatives of 1-phenyl-2-piperidinopropanol and medicines containing it
IN Wick, Alexander; Frost, Jonathan; Gaudilliere, Bernard; Bertin, Jean; Dupont, Regis; Rousseau, Jean
PA Synthelabo S. A. , Fr.
SO Fr. Demande, 53 pp.
CODEN: FRXXBL

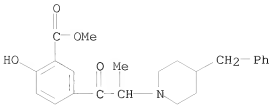
DT Patent
LA French
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2534580	A1	19840420	FR 1982-17187	19821013 <--
	FR 2534580	B1	19850517		
	EP 109317	A2	19840523	EP 1983-401939	19831004 <--
	EP 109317	A3	19840808		
	EP 109317	B1	19861230		
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
	AT 24490	T	19870115	AT 1983-401939	19831004 <--
	DK 8304705	A	19840414	DK 1983-4705	19831012 <--
	DK 164593	B	19920720		
	DK 164593	C	19921207		
	FI 8303713	A	19840414	FI 1983-3713	19831012 <--
	FI 77448	B	19881130		
	FI 77448	C	19890310		
	NO 8303705	A	19840416	NO 1983-3705	19831012 <--
	NO 158461	B	19880606		
	NO 158461	C	19880914		
	AU 8320111	A	19840419	AU 1983-20111	19831012 <--
	AU 559698	B2	19870319		
	JP 59089660	A	19840523	JP 1983-190590	19831012 <--
	JP 61058472	B	19861211		
	ZA 8307598	A	19840627	ZA 1983-7598	19831012 <--
	HU 32562	A2	19840828	HU 1983-3527	19831012 <--
	HU 190509	B	19860929		
	IL 69955	A	19870130	IL 1983-69955	19831012 <--
	CA 1228855	A1	19871103	CA 1983-438856	19831012 <--
	US 4690931	A	19870901	US 1985-773926	19850909 <--
PRAI	FR 1982-17187	A	19821013		
	EP 1983-401939	A	19831004		
	US 1983-540648	A1	19831011		

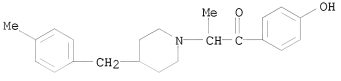
OS CASREACT 101:210992; MARPAT 101:210992
IT 92809-04-6P 92809-32-0P 92822-04-3P
92822-30-5P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reduction of)
RN 92809-04-6 CAPLUS
CN 1-Propanone, 2-[4-[(4-fluorophenyl)methyl]-1-piperidinyl]-1-(4-hydroxy-3,5-dimethylphenyl)- (CA INDEX NAME)



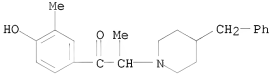
RN 92809-32-0 CAPLUS
CN Benzoic acid, 2-hydroxy-5-[1-oxo-2-[4-(phenylmethyl)-1-piperidinyl]propyl]-, methyl ester (CA INDEX NAME)



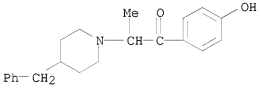
RN 92822-04-3 CAPLUS
CN 1-Propanone, 1-(4-hydroxyphenyl)-2-[4-[(4-methylphenyl)methyl]-1-piperidinyl]- (CA INDEX NAME)



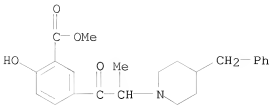
RN 92822-30-5 CAPLUS
CN 1-Propanone, 1-(4-hydroxy-3-methylphenyl)-2-[4-(phenylmethyl)-1-piperidinyl]- (CA INDEX NAME)



IT 74991-32-5P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and O-acylation of)
RN 74991-32-5 CAPLUS
CN 1-Propanone, 1-(4-hydroxyphenyl)-2-[4-(phenylmethyl)-1-piperidinyl]- (CA INDEX NAME)



IT 92809-72-8P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 92809-72-8 CAPLUS
CN Benzoic acid, 2-hydroxy-5-[1-oxo-2-[4-(phenylmethyl)-1-piperidinyl]propyl]-, methyl ester, hydrochloride (1:1) (CA INDEX NAME)



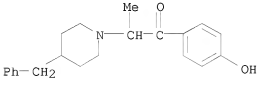
● HCl

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L15 ANSWER 11 OF 21 CAPLUS COPYRIGHT 2009 ACS on STN
AN 1984:407035 CAPLUS
DN 101:7035
OREF 101:1199a,1202a
TI Piperidinoalkanols
PA Grelan Pharmaceutical Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 59001466	A	19840106	JP 1983-18774	19830209 <--
	JP 61007421	B	19860306		
PRAI	JP 1983-18774		19830209		

IT 75097-49-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and hydride reduction of)
RN 75097-49-3 CAPLUS
CN 1-Propanone, 1-(4-hydroxyphenyl)-2-[4-(phenylmethyl)-1-piperidinyl]-, hydrochloride (1:1) (CA INDEX NAME)



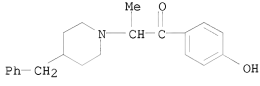
● HCl

L15 ANSWER 12 OF 21 CAPLUS COPYRIGHT 2009 ACS on STN
AN 1984:407034 CAPLUS
DN 101:7034
OREF 101:1199a,1202a
TI 1-(4-Hydroxyphenyl)-2-(4-benzylpiperidino)propan-1-one
PA Grelan Pharmaceutical Co., Ltd., Japan

SO Jpn. Kokai Tokkyo Koho, 3 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 59001467	A	19840106	JP 1983-18775	19830209 <--
PRAI JP 1983-18775		19830209		

IT 75097-49-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 75097-49-3 CAPLUS
CN 1-Propanone, 1-(4-hydroxyphenyl)-2-[4-(phenylmethyl)-1-piperidinyl]-, hydrochloride (1:1) (CA INDEX NAME)

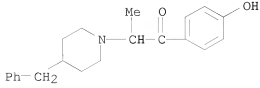


● HCl

L15 ANSWER 13 OF 21 CAPLUS COPYRIGHT 2009 ACS on STN
AN 1982:562839 CAPLUS
DN 97:162839
OREF 97:27160h,27161a
TI erythro-2-(4-Benzylpiperidino)-1-(4-hydroxyphenyl)propanol
PA Grelan Pharmaceutical Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 3 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 57106662	A	19820702	JP 1980-182094	19801224 <--
JP 63066313	B	19881220		
PRAI JP 1980-182094		19801224		

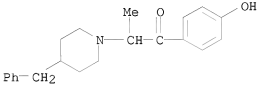
IT 74991-32-5
RL: RCT (Reactant); RACT (Reactant or reagent)
(reduction of)
RN 74991-32-5 CAPLUS
CN 1-Propanone, 1-(4-hydroxyphenyl)-2-[4-(phenylmethyl)-1-piperidinyl]- (CA INDEX NAME)



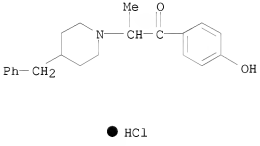
L15 ANSWER 14 OF 21 CAPLUS COPYRIGHT 2009 ACS on STN
AN 1982:544778 CAPLUS
DN 97:144778
OREF 97:24113a,24116a
TI 1-(4-Hydroxyphenyl)-2-(4-benzylpiperidino)-1-propanol and its acid adducts
PA Ogawa, Koichi, Japan
SO Jpn. Kokai Tokkyo Koho, 3 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 57081463	A	19820521	JP 1980-158524	19801111 <--
PRAI JP 1980-158524		19801111		

IT 74991-32-5P 75097-49-3P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 74991-32-5 CAPLUS
CN 1-Propanone, 1-(4-hydroxyphenyl)-2-[4-(phenylmethyl)-1-piperidinyl]- (CA INDEX NAME)



RN 75097-49-3 CAPLUS
CN 1-Propanone, 1-(4-hydroxyphenyl)-2-[4-(phenylmethyl)-1-piperidinyl]-, hydrochloride (1:1) (CA INDEX NAME)



L15 ANSWER 15 OF 21 CAPLUS COPYRIGHT 2009 ACS on STN
AN 1982:34826 CAPLUS
DN 96:34826
OREF 96:5749a,5752a
TI erythro-2-Amino-1-phenylpropanol derivatives
PA Grelan Pharmaceutical Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

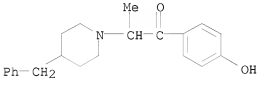
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 56128740	A	19811008	JP 1980-31680	19800314 <--
	JP 62061019	B	19871218		
PRAI	JP 1980-31680	A	19800314		

OS CASREACT 96:34826

IT 75097-49-3 80361-37-1 80361-38-2
RL: RCT (Reactant); RACT (Reactant or reagent)
(stereoselective reduction of)

RN 75097-49-3 CAPLUS

CN 1-Propanone, 1-(4-hydroxyphenyl)-2-[4-(phenylmethyl)-1-piperidinyl]-, hydrochloride (1:1) (CA INDEX NAME)



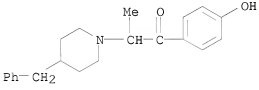
● HCl

RN 80361-37-1 CAPLUS

CN 1-Propanone, 1-(4-hydroxyphenyl)-2-[4-(phenylmethyl)-1-piperidinyl]-, sulfate (1:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 74991-32-5
CMF C21 H25 N O2



CM 2

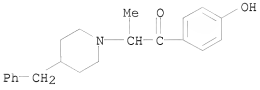
CRN 7664-93-9
CMF H2 O4 S

RN 80361-38-2 CAPLUS

CN 1-Propanone, 1-(4-hydroxyphenyl)-2-[4-(phenylmethyl)-1-piperidinyl]-, ethanedioate (1:1) (CA INDEX NAME)

CM 1

CRN 74991-32-5
CMF C21 H25 N O2



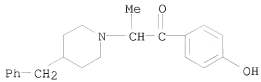
CM 2

CRN 144-62-7
CMF C2 H2 O4

L15 ANSWER 16 OF 21 CAPLUS COPYRIGHT 2009 ACS on STN
AN 1981:587084 CAPLUS
DN 95:187084
OREF 95:31217a,31220a
TI erythro-2-(4-Benzylpiperidino)-1-(4-hydroxyphenyl)propanol
PA Grelan Pharmaceutical Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 56077258	A	19810625	JP 1979-152996	19791128 <--
PRAI JP 1979-152996	A	19791128		

OS CASREACT 95:187084
IT 75097-49-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reduction of)
RN 75097-49-3 CAPLUS
CN 1-Propanone, 1-(4-hydroxyphenyl)-2-[4-(phenylmethyl)-1-piperidinyl]-, hydrochloride (1:1) (CA INDEX NAME)

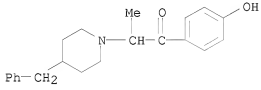


● HCl

L15 ANSWER 17 OF 21 CAPLUS COPYRIGHT 2009 ACS on STN
AN 1981:515310 CAPLUS
DN 95:115310
OREF 95:19345a,19348a
TI 1-(4-Hydroxyphenyl)-2-(4-benzylpiperidino)-propan-1-ol
PA Iwashiro Seiyaku Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

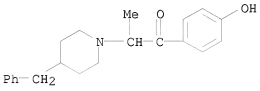
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 56043266	A	19810421	JP 1979-118926	19790917 <--
PRAI JP 1979-118926	A	19790917		

OS CASREACT 95:115310
IT 74991-32-5P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reduction of, alc. from)
RN 74991-32-5 CAPLUS
CN 1-Propanone, 1-(4-hydroxyphenyl)-2-[4-(phenylmethyl)-1-piperidinyl]- (CA INDEX NAME)

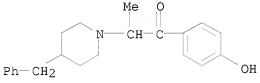


L15 ANSWER 18 OF 21 CAPLUS COPYRIGHT 2009 ACS on STN
AN 1981:83708 CAPLUS
DN 94:83708
OREF 94:13641a,13644a
TI Studies on the syntheses of drugs acting on circulatory system. III. Synthesis of 2-(4-benzylpiperidino)-1-(4-hydroxyphenyl)propanol and the determination of the relative configuration of these diastereoisomers (studies on the syntheses of heterocyclic compounds. DCCCLIV)
AU Kametani, Tetsuji; Kigasawa, Kazuo; Hiiragi, Mineharu; Wagatsuma, Nagatoshi; Kohagizawa, Toshitaka; Inoue, Hitoshi
CS Pharm. Inst., Tohoku Univ., Japan
SO Yakugaku Zasshi (1980), 100(8), 844-54
CODEN: YKKZAJ; ISSN: 0031-6903
DT Journal

LA Japanese
OS CASREACT 94:83708
IT 74991-32-5P 75097-49-3P 76494-43-4P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reduction of)
RN 74991-32-5 CAPLUS
CN 1-Propanone, 1-(4-hydroxyphenyl)-2-[4-(phenylmethyl)-1-piperidinyl]- (CA INDEX NAME)



RN 75097-49-3 CAPLUS
CN 1-Propanone, 1-(4-hydroxyphenyl)-2-[4-(phenylmethyl)-1-piperidinyl]-, hydrochloride (1:1) (CA INDEX NAME)

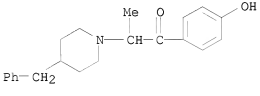


● HCl

RN 76494-43-4 CAPLUS
CN 1-Propanone, 1-(4-hydroxyphenyl)-2-[4-(phenylmethyl)-1-piperidinyl]-, sulfate (2:1) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 74991-32-5
CMF C21 H25 N O2



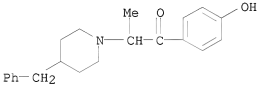
CM 2

CRN 7664-93-9
CMF H2 O4 S

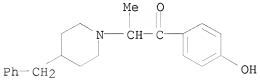
L15 ANSWER 19 OF 21 CAPLUS COPYRIGHT 2009 ACS on STN
AN 1980:586174 CAPLUS
DN 93:186174
OREF 93:29671a,29674a
TI Piperidinoalkanols
IN Kigasawa, Kazuo; Hiiragi, Mineharu; Wagatsuma, Nagatoshi; Kohagisawa, Toshitaka
PA Grelan Pharmaceutical Co., Ltd., Japan
SO Jpn. Kokai Tokkyo Koho, 5 pp.
CODEN: JKXXAF
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 55028903	A	19800229	JP 1978-100685	19780818 <--
JP 59051940	B	19841217		
PRAI JP 1978-100685	A	19780818		

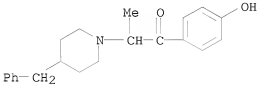
IT 74991-32-5P 75097-49-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reduction of)
RN 74991-32-5 CAPLUS
CN 1-Propanone, 1-(4-hydroxyphenyl)-2-[4-(phenylmethyl)-1-piperidinyl]- (CA INDEX NAME)



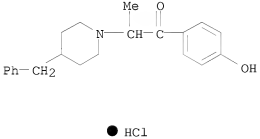
RN 75097-49-3 CAPLUS
CN 1-Propanone, 1-(4-hydroxyphenyl)-2-[4-(phenylmethyl)-1-piperidinyl]-, hydrochloride (1:1) (CA INDEX NAME)



L15 ANSWER 20 OF 21 CAPLUS COPYRIGHT 2009 ACS on STN
AN 1980:568076 CAPLUS
DN 93:168076
OREF 93:26759a,26762a
TI The stereoselective reduction of α-aminopropiophenone derivatives with sodium borohydride
AU Kametani, Tetsuji; Kigasawa, Kazuo; Hiiragi, Mineharu; Wagatsuma, Nagatoshi; Kohagizawa, Toshitaka; Inoue, Hitoshi
CS Pharm. Inst., Tohoku Univ., Sendai, 980, Japan
SO Heterocycles (1980), 14(6), 775-8
CODEN: HTCYAM; ISSN: 0385-5414
DT Journal
LA English
IT 74991-32-5 75097-49-3 75097-50-6
75097-51-7 75097-52-8
RL: RCT (Reactant); RACT (Reactant or reagent)
(sodium borohydride reduction of, stereochem. of)
RN 74991-32-5 CAPLUS
CN 1-Propanone, 1-(4-hydroxyphenyl)-2-[4-(phenylmethyl)-1-piperidinyl]- (CA INDEX NAME)



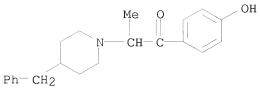
RN 75097-49-3 CAPLUS
CN 1-Propanone, 1-(4-hydroxyphenyl)-2-[4-(phenylmethyl)-1-piperidinyl]-, hydrochloride (1:1) (CA INDEX NAME)



RN 75097-50-6 CAPLUS
CN 1-Propanone, 1-(4-hydroxyphenyl)-2-[4-(phenylmethyl)-1-piperidinyl]-, sulfate (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 74991-32-5
CMF C21 H25 N O2



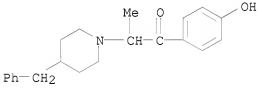
CM 2

CRN 7664-93-9
CMF H2 O4 S

RN 75097-51-7 CAPLUS
CN 1-Propanone, 1-(4-hydroxyphenyl)-2-[4-(phenylmethyl)-1-piperidinyl]-, ethanedioate (1:?) (CA INDEX NAME)

CM 1

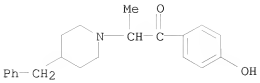
CRN 74991-32-5
CMF C21 H25 N O2



CM 2

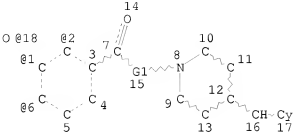
CRN 144-62-7
CMF C2 H2 O4

RN 75097-52-8 CAPLUS
CN 1-Propanone, 1-(4-hydroxyphenyl)-2-[4-(phenylmethyl)-1-piperidinyl]-, sodium salt (1:1) (CA INDEX NAME)



● Na

L5 HAS NO ANSWERS
L5 STR



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GGCAT IS UNS AT 17
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC 3 8
NUMBER OF NODES IS 18

STEREO ATTRIBUTES: NONE

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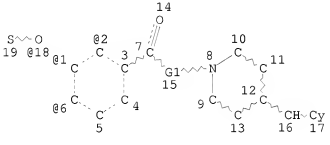

REP G1=(1-5) A
VPA 18-2/1/6 U
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
GGCAT IS UNS AT 17
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RSPEC 3 8
NUMBER OF NODES IS 19

STEREO ATTRIBUTES: NONE

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FULL SUBSET SEARCH INITIATED 15:52:19 FILE 'REGISTRY'
FULL SUBSET SCREEN SEARCH COMPLETED -       50 TO ITERATE

100.0% PROCESSED       50 ITERATIONS                          1 ANSWERS
SEARCH TIME: 00.00.01

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FULL ESTIMATED COST                               44.96     444.37

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)    SINCE FILE      TOTAL
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REVISED CLASS FIELDS (/NCL) LAST RELOADED:  Apr 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE:  Apr 2009

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reclassification data for the third quarter of 2008.

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substance identification.

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L19           1 L18

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L19  ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2009 ACS on STN
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AN 2005:300403 CAPLUS
DN 142:373685
TI Preparation of piperidine derivatives as NMDA receptor antagonists
IN Yano, Toshisada; Kanemasa, Toshiyuki; Yamamoto, Shoichi
PA Shionogi & Co., Ltd., Japan
SO PCT Int. Appl., 36 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2005030720	A1	20050407	WO 2004-JP13775	20040922
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	EP 1666464	A1	20060607	EP 2004-787958	20040922
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
	US 20070082927	A1	20070412	US 2006-573386	20061113
PRAI	JP 2003-332629	A	20030925		
	WO 2004-JP13775	W	20040922		

OS MARPAT 142:373685
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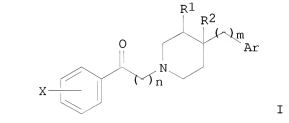

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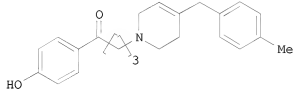

II

AB Title compds. represented by the formula I [wherein X = OH or alkylsulfonyloxy; Ar = (un)substituted (hetero)aryl; n = 1-4; m = 0 or 1; R1 = H; R2 = OH or R1R2 = a single bond; and pharmaceutically acceptable salts or solvates thereof] were prepared as NMDA receptor antagonists. For example, II was given in a multi-step synthesis starting from the reaction of 4-chloro-1-(4-methoxyphenyl)-butan-1-one with 4-(4-methylbenzyl)piperidin-4-ol. Some of I were tested binding activity

with NR1/NR2B receptor and PCP receptor, and analgesic activity. Thus, I and their pharmaceutical compns. are useful as NMDA receptor antagonists for the treatment of pains.

IT 849407-04-1P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of piperidine derivs. as NMDA receptor antagonists)

RN 849407-04-1 CAPLUS

CN 1-Butanone, 4-[4-hydroxy-4-[[4-(trifluoromethoxy)phenyl]methyl]-1-piperidinyl]-1-[4-[(methylsulfonyl)oxy]phenyl]- (CA INDEX NAME)